



# JANUARY 2004 ENGINEERING AND RELATED SERVICES SOLICITATION

**DUE DATE: JANUARY 21, 2004**  
**D1 1D NOI DUE: FEBRUARY 11, 2004**  
**\*\*Open to all firms**

**A = Estimated Consultant Contract cost < \$100,000**  
**B = Estimated Consultant Contract cost > \$100,000 but less than \$1,000,000**  
**C = Local Unit of Government Selects Consultant**  
**D = Estimated Consultant Contract cost > \$1,000,000**

**Tied on one contract**

**Concept Definition Reports or Scope of Service narratives are included as supplements to this solicitation. They are current at the time of Internet publication but are subject to change. Click on the PROJECT ID for more detail.**

DISTRICT & SOLICITATION #	PROJECT ID	ANTICIPATED CONSTRUCTION COST	ANTICIPATED SELECTION DATE	ANTICIPATED PROJECT START DATE	ANTICIPATED PROJECT COMPLETION DATE	DBE GOAL ? (Yes or No)	LOCAL SELECTION? (Yes or No)	CONTACT PERSON	TELEPHONE #
<b>DISTRICT 1</b>									
D1 1B	<a href="#">0617-01-14</a>	N/A	15-Mar-04	19-Apr-04	1-Nov-05	No	No	Bill Niemi	(608) 246-5327
D1 1A	<a href="#">1206-06-03</a>	\$ 750,000	15-Mar-04	15-May-04	1-Jan-06	No	No	Mike Rampetsreiter	(608) 246-7917
D1 2A	<a href="#">5310-00-09**</a>	N/A	<a href="#">1-Mar-04</a>	<a href="#">1-Mar-04</a>	<a href="#">1-Mar-05</a>	<a href="#">No</a>	<a href="#">No</a>	<a href="#">Adam Clayton</a>	<a href="#">(608) 242-8009</a>
D1 2B	<a href="#">2004-01-04**</a>	N/A	<a href="#">1-Feb-04</a>	<a href="#">1-Mar-04</a>	<a href="#">30-Jun-05</a>	<a href="#">No</a>	<a href="#">No</a>	<a href="#">Adam Clayton</a>	<a href="#">(608) 242-8009</a>
D1 1D	<a href="#">1390-04-02</a>	\$ 29,000,000	25-Apr-04	25-Jun-04	25-Jun-08	Yes	No	Michelle Ellias	(608) 245-2675
<b>DISTRICT 2</b>									
D2 1B	<a href="#">3180-08-03</a>	\$ 14,900,000	1-Feb-04	1-Mar-04	1-Jun-05	No	No	Andy Smieja	(262) 548-8784
D2 2B	<a href="#">3180-09-00</a>	\$ 16,900,000	1-Feb-04	1-May-04	1-Feb-06	No	No	Andy Smieja	(262) 548-8784
D2 3B	<a href="#">3180-10-00</a>	\$ 14,900,000	1-Feb-04	1-Jun-04	1-Jun-07	No	No	Andy Smieja	(262) 548-8784
<b>DISTRICT 3</b>									
D3 1B	<a href="#">1450-01-00</a>	\$ 1,800,000	1-Mar-04	1-May-04	1-Nov-05	Yes	No	Chuck Karow	(920) 492-5997
D3 1B	<a href="#">1450-05-00</a>	\$ 300,000	1-Mar-04	1-May-04	1-Nov-05	Yes	No	Chuck Karow	(920) 492-5997
D3 2B	<a href="#">4190-11-00</a>	\$ 970,000	1-Mar-04	1-May-04	1-Nov-05	Yes	No	Chuck Karow	(920) 492-5997
D3 1A	<a href="#">9202-07-01</a>	\$ 5,500,000	1-Mar-04	15-Apr-04	1-Dec-05	Yes	No	Chuck Karow	(920) 492-5997
D3 3B	<a href="#">4658-09-00</a>	\$ 1,010,000	1-Mar-04	1-Jun-04	1-Nov-07	Yes	No	Tom Kobus	(920) 492-0143
D3 4B	<a href="#">4110-15-00</a>	\$ 1,700,000	1-Mar-04	1-Apr-04	1-Jan-07	Yes	No	Tom Buchholz	(920) 492-0142
D3 5B	<a href="#">4110-01-00</a>	\$ 1,884,000	1-Mar-04	1-Apr-04	1-Jan-07	Yes	No	Tom Buchholz	(920) 492-0142
D3 2A	<a href="#">6180-13-00</a>	\$ 1,600,000	1-Mar-04	1-Apr-04	1-Jan-06	No	No	Tom Buchholz	(920) 492-0142
<b>BUREAU OF HIGHWAY DEVELOPMENT</b>									
BHD 1B	<a href="#">0656-22-06**</a>	N/A	1-Feb-04	1-Mar-04	1-Mar-06	No	No	Patrick Fleming	(608) 266-8486
BHD 2B	<a href="#">0656-22-07**</a>	N/A	1-Feb-04	1-Mar-04	1-Mar-06	No	No	Patrick Fleming	(608) 266-8486



## JANUARY 2004 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

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### TRANSPORTATION DISTRICT 1

#### Scope of Service Narratives:

##### D1 1B

**Project ID: 0617-01-14**

Engage a consultant to provide construction-engineering services in the District 1 materials laboratory located at the Truax Building, 3502 Kinsman Boulevard, Madison. The individual would be required to perform base, asphaltic mix and concrete compressive strength testing. The time for services would be for the 2004 and 2005 construction seasons. The individual would provide service Monday thru Friday 8 hours a day.

The individual performing the testing shall have the following certifications through the highway certification program: AGGTEC-IPP, ASPHTEC-I and PCC-STRENGTH. The individual shall be able to lift 75 pounds.

For more information, contact Bill Niemi at (608) 246-5327.

##### D1 1A

**Project ID: 1206-06-03**

South Madison Beltline  
Perry Street Bike/Pedestrian Overpass  
USH 12, Dane County

**Project Background:** The proposed project would be located over the South Madison Beltline on or near the alignment of Perry Street in the City of Madison. The structure over the Beltline Highway will serve residents of the Park Street/Ann Street/Badger Road neighborhood on the North side of the Beltline and businesses south of the freeway. The north terminus of the structure will be located near the densely populated area along Badger Road, less than three city blocks from Madison Transit's South Side hub. At the southern end of the bridge, there is an "employment zone" consisting of an industrial/commercial district on Applegate, Jonathan & Stewart Streets. A safe crossing provided by an overpass can be expected to generate considerable traffic between the residential area to the north, and the commercial area south of the Beltline, where employment opportunities are available.

The bridge will be made of prestressed concrete, and be similar to the City of Madison's new bike/pedestrian overpass at Hammersley Road.

The structure will be designed by DOT personnel or an engineering consultant. The project will be let to bid as a standard State highway contract.

Proposed activities/tasks that would be involved under this contract:

- Meetings with WisDOT officials, residents, city official and engineers and other interested parties will be required to explore the different alternatives.
- Preliminary and final design of the bike/pedestrian bridge plan; anticipated PS&E scheduled for January 2006 and construction is scheduled for the spring of 2006.

For more information, contact Mike Rampetsreiter at (608)246-7917.



## JANUARY 2004 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

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### TRANSPORTATION DISTRICT 1 (cont.)

#### **D1 2A Open to All Firms Use DT1819 Consultant Solicitation Open to All Firms NOI**

**Project ID: 5310-00-09**

Operational Needs Analysis Contract

Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at

<http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.

The Madison Transportation District is soliciting for a consultant to help conduct an operational needs analysis for USH 14 in the Village of Cross Plains to start in March 2004. The operational analysis will be prepared with input and assistance from the Village and is intended to develop a strategy and recommendations for preserving the functionality of USH 14 through the Village. The analysis will review the operation and functionality of USH 14 and village roads, and will review scenarios for adjustments to USH 14 and the local road connections. The operational analysis will address:

- Parking
- Local road connections to USH 14
- Access control
- Safety
- Traffic operations analysis of USH 14 with future growth scenarios
- Bike & pedestrian connectivity
- Land use

Proposed activities/tasks that would be included in this study are:

- Provide informational presentations to local officials on land use, access management and local road issues
- Evaluate impact of likely or possible land use development scenarios
- Create traffic simulation models using PARAMICS software
- Document environmental impacts of any proposed operational improvements
- Prepare public involvement plan
- Conduct public involvement activities
- Determine possible alternative transportation solutions on current alignment
- Recommend potential roadway improvements or operational strategies (may include bike and pedestrian enhancements)
- Prepare traffic operations analysis (may include traffic counts, crash analysis, capacity analysis)
- Review local road network
- Handle meeting logistics, prepare agendas, minutes.

Deliverables will include:

- A final report discussing recommended operational or roadway improvements including any necessary maps diagrams, traffic models, etc.

For more information, contact Adam Clayton at (608) 242-8009.



## JANUARY 2004 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

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### TRANSPORTATION DISTRICT 1 (cont.)

#### **D1 2B Open To All Firms Use DT1819 Consultant Solicitation Open to All Firms NOI**

**Project ID: 2004-01-04**

Corridor Management Services Contract

One specialty master contract

Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at <http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.

The Madison Transportation District is soliciting for one specialty master contract for Intelligent Transportation System (ITS)/Traffic and corridor planning services to start in February 2004, to assist the District Systems Planning and Operations business area. This specialty master contract will be for \$300,000.

Proposed activities/tasks for specialty master contract are:

- Design ITS elements into traditional roadway projects
- Create ITS Project Architectures to meet FHWA Architecture requirements
- Assist in the review, update, and follow through of a Regional Architecture
- Identify space requirements for various activities related to day-to-day operations of transportation systems
- Assist the Department in developing Request for Proposals for various ITS projects
- Assist the Department in developing Request for Proposals for Public/Private Partnerships
- Create traffic simulation models (ex. CORSIM, SYNCHRO, VISSIM, PARAMICS)
- Teach training class(es) on the use of (ex. CORSIM, SYNCHRO, VISSIM, PARAMICS)
- Review and evaluate Traffic Impact Analysis (TIAs) performed by others
- Perform traffic turning movement count data collection studies
- Perform spot speed data collection studies
- Develop signals timing plans
- Develop signal-timing plans for closed loop systems
- Design traffic signals (may include: plan sheet, operation sheet, estimated quantities sheet, special provisions, estimated project costs)
- Perform traffic studies (ex. signal warrant analysis, multi-way stop warrant analysis, crash analysis)
- Provide GIS support
- Provide access control platting and inventory services
- Convert existing access data into new database
- Enter data into access database
- Provide incident management related support
- Provide incident management related training
- Provide engineering, planning, and administrative services for special studies

For more information, contact Adam Clayton at (608) 242-8009.



## JANUARY 2004 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

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### TRANSPORTATION DISTRICT 1 (cont.)

#### **D1 1D Use the Consultant Solicitation for Large Projects NOI Due Date: February 11, 2004**

##### **Project ID: 1390-04-02**

Johnson Creek—Watertown Road  
(Baneck Road—STH 16)  
STH 26, Jefferson & Dodge Counties

The Madison Transportation District seeks an engineering consultant to develop final plans and right of way plat for the STH 26 bypass around the City of Watertown.

The consultant is expected to develop final plans and right of way plat from final Environmental Impact Statement (EIS) to final Plan Specifications and Estimate (PS&E) submittal.

Proposed activities/tasks include:

- Conduct surveys (DTM completed by DOT)
- Perform possible archaeological site evaluations/consultations
- Create design reports (soil borings, soils & pavement reports will be done by WISDOT)
- Conduct meetings with the public, local officials and DOT staff (including 30/60/pre-PSE plan reviews)
- Produce right of way plat (recordable plat)
- Produce final roadway design including 4 interchanges
- Design approximately 34 structures (Rock River structures will be designed by WISDOT)
- Design drainage and erosion control
- Design detour and permanent signing
- Perform utility coordination
- Prepare final Plan Specifications and Estimate (PS&E)

**Final scope details may include more (or less) requirements than listed above. Requirements will be more refined once EIS process is complete.**

More details and the Notice of Interest are available on the special solicitation Web page developed for this project. <http://www.dot.wisconsin.gov/business/engrserv/causpecialsol.htm>

For more information, contact Michelle Elias at [michelle.ellias@dot.state.wi.us](mailto:michelle.ellias@dot.state.wi.us) or (608) 245-2675.



## JANUARY 2004 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

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### TRANSPORTATION DISTRICT 2

#### Scope of Service Narratives:

##### D2 1B

**Project ID: 3180-08-03**

Burlington Bypass (STH 11)

STH 83 to STH 36/83

Racine County

As proposed, the Burlington Bypass (STH 11) will ultimately construct a new 4-lane divided highway on an entirely new alignment along the east, south and west sides of the City of Burlington. Portions of state trunk highways, county highways and local roads will also be reconstructed in conjunction with the bypass work. The initial contracts will construct the bypass and side roads from STH 83 on the south side of the city, east and north to STH 36/83 on the northeast side of the city.

All preliminary engineering through the 60% plan review meeting as well as approved right of way plats have been completed by others.

The scope of services for this project will consist of developing final construction grading plans, special provisions and estimate for the Burlington Bypass from STH 36 to STH 36/83. It is anticipated that some side road, bridge and paving work may also be included in this project.

For more information, contact Andy Smieja at (262) 548-8784.

##### D2 2B

**Project ID: 3180-09-00**

Burlington Bypass (STH 11)

STH 83 to STH 36/83

Racine County

As proposed, the Burlington Bypass (STH 11) will ultimately construct a new 4-lane divided highway on an entirely new alignment along the east, south and west sides of the City of Burlington. Portions of state trunk highways, county highways and local roads will also be reconstructed in conjunction with the bypass work. The initial contracts will construct the bypass and sideroads from STH 83 on the south side of the city, east and north to STH 36/83 on the northeast side of the city.

All preliminary engineering through the 60% plan review meeting as well as approved right of way plats have been completed by others.

The scope of services for this project will consist of developing final plans to construct all bridges and incidental work associated with the bridges for the Burlington Bypass from STH 36 to STH 36/83. WisDOT staff will complete the bridge designs and the consultant will be responsible for determining and quantifying other incidental work needed as well as producing the final bid plans, special provisions and estimate. It is anticipated that some sideroad, grading, and paving work may also be included in this project.

For more information, contact Andy Smieja at (262) 548-8784.



## JANUARY 2004 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

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### TRANSPORTATION DISTRICT 2 (cont.)

#### D2 3B

#### **Project ID: 3180-10-00**

Burlington Bypass (STH 11)

STH 83 to STH 36/83

Racine County

As proposed, the Burlington Bypass (STH 11) will ultimately construct a new 4-lane divided highway on an entirely new alignment along the east, south and west sides of the City of Burlington. Portions of state trunk highways, county highways and local roads will also be reconstructed in conjunction with the bypass work. The initial contracts will construct the bypass and side roads from STH 83 on the south side of the city, east and north to STH 36/83 on the northeast side of the city.

All preliminary engineering through the 60% plan review meeting as well as approved right of way plats have been completed by others.

The scope of services for this project will consist of developing final construction paving plans, special provisions and estimate for the Burlington Bypass from STH 36 to STH 36/83. It is anticipated that some side road, bridge, and grading work may also be included in this project.

For more information, contact Andy Smieja at (262) 548-8784.



## JANUARY 2004 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

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### TRANSPORTATION DISTRICT 3

#### Scope of Service Narratives:

##### D3 1B

##### **Project ID: 1450-01-00**

IH 43 – Bellevue  
USH 141  
Brown County

##### **Project ID: 1450-05-00**

USH 141 & Allouez Avenue Intersection  
Town of Bellevue  
USH 141  
Brown County

Project ID 1450-01-00 consists of the rehabilitation of three miles of USH 141 from IH 43/CTH MM to the bridge over IH 43. The proposed work includes concrete pavement repair, asphaltic pavement, box culvert extensions, beam guard upgrades, intersection improvements, and concrete overlay of bridge over IH 43 (B-5-196).

Project ID 1450-05-00 consists of the reconstruction of the intersection of Allouez Avenue and USH 141 as part of a hazard elimination safety (HES) project. The current proposal is to replace the existing intersection with a roundabout.

The design consultant will be responsible for:

- Preparing the design study and pavement reports,
- Preparing the environmental document,
- All agency coordination and permits,
- Railroad and utility coordination,
- Public involvement,
- Field surveys,
- Soils and subsurface investigations,
- Preliminary and final road plans,
- Preliminary and final right-of-way plats,
- Preliminary and final structure plans,
- Preparing the plans, specifications and estimates.

The projects are scheduled for letting in Spring 2006.





## JANUARY 2004 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

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### TRANSPORTATION DISTRICT 3 (cont.)

#### D3 2B

**Project ID: 4190-11-00**

Broadway Street, City of De Pere  
Heritage Road – Lewis Street  
STH 32  
Brown County

The project consists of the joint repair and resurfacing of STH 32 from Heritage Road/CTH X to Lewis Street. Structure B-5-43 over the Fox River Trail will be investigated for replacement with either a box culvert or new structure. Structure B-5-52 over CTH PP will be overlaid. The intersection at Heritage Road will be investigated for safety improvements.

The design consultant will be responsible for:

- Preparing the design study and pavement reports,
- Preparing the environmental document,
- All agency coordination and permits,
- Railroad and utility coordination,
- Public involvement,
- Field surveys,
- Soils and subsurface investigations,
- Preliminary and final road plans,
- Preliminary and final right-of-way plats,
- Preliminary and final structure plans,
- Preparing the plans, specifications and estimates.

The project is scheduled for letting in Spring 2006.

#### D3 1A

**Project ID: 9202-07-01**

CTH J – CTH EB  
South Frontage Road  
STH 29  
Brown County

The project consists of the conversion of STH 29 from CTH J to USH 41 to a freeway. The District will be preparing the design for the conversion but is soliciting engineering services for the preparation of the environmental document.

The environmental consultant will be responsible for:

- Preparing the environmental document,
- All agency coordination and permits,
- Railroad and utility coordination, and
- Public involvement.

The project is currently scheduled for construction beginning in 2010.

For more information about solicitation numbers D3 1B, 2B and 1A contact Chuck Karow at (920) 492-5997.



## JANUARY 2004 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

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### TRANSPORTATION DISTRICT 3 (cont.)

#### D3 3B

**Project ID: 4658-09-00**

Crooks Street, City of Kaukauna  
18<sup>th</sup> Street – 7<sup>th</sup> Street  
Outagamie County

The Wisconsin Department of Transportation (WisDOT) is soliciting engineering services for the design for the reconstruction of a portion of STH 55, Crooks Street, between 18<sup>th</sup> Street and 7<sup>th</sup> Street in the City of Kaukauna. The scope of this project will include public involvement, agency coordination, environmental analysis and coordination, preliminary and final design.

For more information, contact Tom Kobus (920) 492-0143.

#### D3 4B

**Project ID: 4110-15-00**

South County Line – Oshkosh  
South County Line – Waukau Avenue  
USH 45  
Winnebago County

Work involves providing design engineering services for the proposed resurface project along Highway 45 in Winnebago County. Consultant would take project from Operational Planning Meeting to final design. Design work will include investigate intersection improvements and spot drainage improvements.

#### D3 5B

**Project ID: 4110-01-00**

USH 151 – North County Line  
USH 45  
Fond du Lac County

Work involves providing full design engineering services for the project on USH 45 in Fond du Lac County. Urban segment involves investigating joint repair and spot curb and gutter repair. Rural area involves spot base patching repair, mill and resurface, investigate Subway Road improvements, and spot drainage improvements.

#### D3 2A

**Project ID: 6180-13-00**

West County Line – Omro  
STH 21  
Winnebago County

Work involves completing preliminary design, environmental document, and final design of mill and resurface of Highway 21 in Winnebago County. D3 staff started preliminary design. No plat or right-of-way will be needed. Project is scheduled for 2007 construction but design plans could be completed early for potential contingency project.

For more information about solicitation numbers D3 4B, 5B, and 2A, contact Tom Buchholz at (920)492-0142.



## JANUARY 2004 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

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### DIVISION OF TRANSPORTATION INFRASTRUCTURE DEVELOPMENT BUREAU OF HIGHWAY DEVELOPMENT (BHD)

#### Scope of Service Narratives:

**BHD 1B Open To All Firms** Use the "BHD" DT1819 Consultant Solicitation Open to All Firms

**Project ID: 0656-22-06**

Statewide Specialty Master Contract

Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at <http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.

The Department of Transportation is beginning to incorporate the use of roundabouts as an intersection control device. The selected method of design is the British Empirical Method.

This is a master contract to assist district offices and the central office in the design, review and development of roundabouts. Work orders may be written against this master contract for the following items:

- Design single lane entry modern roundabouts that may have bypass lanes and/or the intersection may have one or more legs with a severe skew angle(s). It may include the preliminary design of two lane entries at one or two legs of the roundabout.
- Evaluate permanent signing, pavement marking, drainage, lighting, landscaping, bicycle accommodations, plan layout, and traffic control.
- Review, analyze, evaluate, and make recommendations on appropriate design modification to Department and consultant preliminary designs for single lane roundabouts.
- Prepare and provide educational presentations to local units of government and Department employees statewide.
- Provide training to the Department and consultants in use of RODEL software and designing roundabouts.

**BHD 2B Open To All Firms** Use the "BHD" DT1819 Consultant Solicitation Open to All Firms

**Project ID: 0656-22-07**

Statewide Specialty Master Contract

Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at <http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.

The Department of Transportation is beginning to incorporate the use of roundabouts as an intersection control device. The selected method of design is the British Empirical Method.

This is a master contract to assist district offices and the central office in the design, review and development of roundabouts. Work orders may be written against this master contract for the following items:

- Design two lane and three lane, or more, entry modern roundabouts that may have bypass lanes and/or the intersection may have one or more legs with a severe skew angle(s).
- Evaluate permanent signing, pavement marking, drainage, lighting, landscaping, bicycle accommodations, plan layout, and traffic control.



## JANUARY 2004 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

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### BUREAU OF HIGHWAY DEVELOPMENT (cont.)

- Review, analyze, evaluate, and make recommendations on appropriate design modification to Department and consultant preliminary designs of multi-lane roundabouts.
- Provide training to the Department and consultants in the use of RODEL software and designing roundabouts.

For more information about these solicitations, contact Patrick Fleming at (608) 266-8486.